

OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

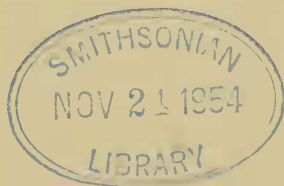
Edited by

FRANCIS HEMMING, C.M.G., C.B.E.
Secretary to the Commission

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OPINION 294

Validation, under the Plenary Powers, of the generic
name *Lysiosquilla* Dana, 1852 (Class Crustacea, Order
Stomatopoda)



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INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN OPINION 294

A. The Officers of the Commission

Honorary Life President : Dr. Karl Jordan (*British Museum (Natural History),
Zoological Museum, Tring, Herts., England*).

President : (Vacant).

Vice-President : Senhor Dr. Afranio do Amaral (*Sao Paulo, Brazil*).

Secretary : Mr. Francis Hemming (*London, England*).

B. The Members of the Commission

(*arranged in order of precedence by reference to date of election or of most recent
re-election, as prescribed by the International Congress of Zoology*).

Senhor Dr. Afranio do AMARAL (*S. Paulo, Brazil*) (*Vice-President*) (1st January 1944).

Professor J. R. DYMOND (*University of Toronto, Toronto, Canada*) (1st January 1944).

Professor J. Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*) (28th March 1944).

Professor Harold E. VOKES (*Johns Hopkins University, Baltimore, Maryland, U.S.A.*) (23rd April 1944).

Dr. William Thomas CALMAN (*Coulsdon, Surrey, England*) (1st January 1947).

Professor Béla HANKÓ (*Békéscsaba, Hungary*) (1st January 1947).

Dr. Norman R. STOLL (*Rockefeller Institute for Medical Research, New York, N.Y., U.S.A.*) (1st January 1947).

Professor H. BOSCHMA (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (1st January 1947).

Senor Dr. Angel CABRERA (*Eva Peron, F.C.N.G.R., Argentina*) (27th July 1948).

Mr. Francis HEMMING (*London, England*) (*Secretary*) (27th July 1948).

Dr. Joseph PEARSON (*Tasmanian Museum, Hobart, Tasmania, Australia*) (27th July 1948).

Dr. Henning LECHE (*Universitetets Zoologiske Museum, Copenhagen, Denmark*) (27th July 1948).

Professor Teiso ESAKI (*Kyushu University, Fukuoka, Japan*) (17th April 1950).

Professor Pierre BONNET (*Université de Toulouse, France*) (9th June 1950).

Mr. Norman Denbigh RILEY (*British Museum (Natural History), London*) (9th June 1950).

Professor Tadeusz JACZEWSKI (*Department of Systematic Zoology, Warsaw University, Warsaw, Poland*) (15th June 1950).

Professor Robert MERTENS (*Natur-Museum u. Forschungs-Institut Senckenberg, Frankfurt a. M., Germany*) (5th July 1950).

Professor Erich Martin HERING (*Zoologisches Museum der Humboldt-Universität zu Berlin, Germany*) (5th July 1950).

OPINION 294

VALIDATION, UNDER THE PLENARY POWERS, OF THE GENERIC NAME "LYSIOSQUILLA" DANA, 1852 (CLASS CRUSTACEA, ORDER STOMATOPODA)

RULING :—(1) Under the Plenary Powers, the generic name *Erichthus* Latreille, 1817, is hereby suppressed for the purposes of the Law of Priority but not for those of the Law of Homonymy.

(2) The under-mentioned generic name is hereby placed on the *Official List of Generic Names in Zoology* as Name No. 730 :—*Lysiosquilla* Dana, 1852 (gender ; feminine) (type species, by selection by Fowler (1912) : *Lysiosquilla inornata* Dana, 1852).

(3) The under-mentioned generic name is hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* as Name No. 121 :—*Erichthus* Latreille, 1817, as suppressed, under the Plenary Powers, under (1) above.

(4) The under-mentioned specific name is hereby placed on the *Official List of Specific Names in Zoology* as Name No. 138 :—*inornata* Dana, 1852, as published in the combination *Lysiosquilla inornata* (specific name of type species of *Lysiosquilla* Dana, 1852).

I.—THE STATEMENT OF THE CASE

On 27th May 1946, Dr. L. B. Holthuis (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) submitted to the Commission a paper containing proposals in regard to the names of seven genera of the Orders Stomatopoda and Decapoda (Class Crustacea). One of the names dealt with in this paper was *Lysiosquilla* Dana, 1852 (Class Crustacea, Order Stomatopoda). Later, the separate elements comprised in the foregoing application

were split up, and on 4th September 1950 the following definitive application relating exclusively to the present case was submitted to the Commission :—

**Proposed use of the Plenary Powers to render the generic name
“*Lysiosquilla*” Dana, 1852 (Class Crustacea, Order
Stomatopoda) the oldest available name for the
species currently referred thereto**

By L. B. HOLTHUIS

(*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*)

The present application relates to a generic name, *Lysiosquilla* Dana, 1852 (Class Crustacea, Order Stomatopoda), which is in general use and is extremely well known, but which is not the oldest available generic name for the group of species concerned. The ruthless application of the *Règles* in the present case would give rise to enormous confusion, without serving any useful purpose whatever. I accordingly ask the International Commission on Zoological Nomenclature to use their Plenary Powers in such a way as to permit the continued use of the above generic name.

2. The following are the original references to the generic names dealt with in the present application :—

Lysiosquilla Dana, 1852, *U.S. explor. Exped.* 13 : 616 (type species, by selection by Fowler, 1912, *Ann. Rep. New Jersey State Mus.* 1911 : 539 : *Lysiosquilla inornata* Dana, 1852, *U.S. explor. Exped.* 13 : 616).
Erichthus Latreille, 1817, Cuvier's *Règn. anim.* (ed. 1) 3 : 43 (type species, by monotypy : *Astacus vitreus* Fabricius, 1775, *Syst. Ent.* : 417).

3. The name *Lysiosquilla* is in general use for a genus of Stomatopoda which inhabits the tropical and sub-tropical regions of the globe. Some of the species of this genus are very common, and the name occurs in many places in carcinological literature. In fact, every carcinologist who acknowledges the distinctness of this genus from the genus *Squilla* Fabricius, 1793 (*Ent. syst.* 2 : viii, 511) uses the name *Lysiosquilla* Dana for the adult forms of the species of this genus.

4. As far back, however, as the year 1817 larvae of species of this genus were placed by Latreille in a genus to which he gave the name *Erichthus*. As the name *Erichthus* Latreille, 1817, is much older than the name *Lysiosquilla* Dana, 1852, it should, under the Law of Priority, be used in place of that generic name by all who subjectively identify these genera with one another. The name *Erichthus* Latreille was often used by the older authors to denote larval forms, but is today used as a term to denote a certain group of larvae rather than as a generic

name. This may be seen from the fact that at present the term *Lysierichthus* is used to denote the larvae of species of the genus *Lysiosquilla* Dana (i.e., the true *Erichthus* of Latreille), the term *Pseuderichthus* to denote the larvae of the genus *Pseudosquilla* Dana, 1852, and the term *Gonerichthus* to denote the larvae of species of the genus *Gonodactylus* Berthold, 1827, while the original name *Erichthus* has fallen into disuse.

5. The substitution of the name *Erichthus* Latreille for the name *Lysiosquilla* Dana would cause such very great confusion that I ask the International Commission on Zoological Nomenclature to take the necessary preventive action under their Plenary Powers. The concrete proposals which I accordingly submit are that the Commission should :

- (1) use their Plenary Powers to suppress for the purposes of the Law of Priority, but not for those of the Law of Homonymy, the generic name *Erichthus* Latreille, 1817 ;
- (2) place the generic name *Lysiosquilla* Dana, 1852 (type species, by selection by Fowler, 1912 : *Lysiosquilla inornata* Dana, 1852) on the *Official List of Generic Names in Zoology*;
- (3) place the generic name *Erichthus* Latreille, 1817, as suppressed under (1) above, on the *Official Index of Rejected and Invalid Generic Names in Zoology*;
- (4) place the trivial name *inornata* Dana, 1852, as published in the binominal combination *Lysiosquilla inornata*, on the *Official List of Specific Trivial Names in Zoology*.

6. The gender of the generic name *Lysiosquilla* is feminine.

II.—THE SUBSEQUENT HISTORY OF THE CASE

2. *Registration of the present application* : On receipt in June 1946 of Dr. Holthuis' proposals relating to the names of genera of the Order Decapoda and to the name *Lysiosquilla* Dana, 1852, and other names of the Order Stomatopoda, it was decided, as an interim measure, to register the whole of Dr. Holthuis' proposals as a single unit, and the Registered Number Z.N.(S.) 231 was assigned to the File so opened. When in August, 1950 an active start was made with the preparation for publication of the various cases comprised in Dr. Holthuis' original application of 1946, it was decided to break that application into its component

parts and to allot a separate Registered Number to each case. The original Registered Number Z.N.(S.) 231 was retained for the application relating to the name *Crangon* Fabricius, and the new Number Z.N.(S.) 474 was allotted to the present case.

3. *Support received from Mr. Robert Gurney (Oxford)*: On 28th December 1946, Mr. Robert Gurney (*Boars Hill, Oxford*) wrote the following letter in support of Dr. Holthuis' application (Gurney, 1951, *Bull. zool. Nomencl.* 2 : 85) :—

I am entirely in agreement with Dr. Holthuis' proposal in regard to the generic name *Lysiosquilla* Dana, 1852. I can hardly believe that any one would be so anti-social as to propose to use the name *Erichthus* in place of *Lysiosquilla* even if such action were justified under the Rules. But in any case such a proposal, if made at the present time, could not, I think, be successfully maintained, since there is as yet no positive proof that "*Erichthus*" is the larva of any species of the genus *Lysiosquilla*, still less that it is the larva of any particular species of that genus. There is no reasonable doubt about *Lysiosquilla* having a larva of that type ; but, in order to prove his case, such a mischief-maker would, I take it, have to prove that *Erichthus vitreus* (Fabricius) is the larva of a particular species of *Lysiosquilla*. That at the moment he could not do, but the proof may be forthcoming some day and it is very necessary to avoid any more upheavals in nomenclature. I hope that the Commission will get the name *Lysiosquilla* permanently established.

4. *Publication of the present application*: Owing to the limited amount of time available, it was not possible for the International Commission at its Session held in Paris in 1948 to consider all the cases then awaiting attention, and the present was one of the cases which for this reason was not placed before the Commission for discussion at that Session. In the period immediately following, it was necessary to devote the entire resources of the Commission to the preparation and publication of the Official Records of the Paris Session, and it was not until the autumn of 1950 that it was possible to resume preparation for the publication in the *Bulletin of Zoological Nomenclature* of applications on individual nomenclatorial cases submitted to the Commission for decision. As has already been explained, it was decided that the case of the name *Lysiosquilla* Dana, 1852, should be treated as constituting a separate application, and this inevitably involved a certain amount of re-drafting. In addition, it was necessary to

expand the application somewhat, in order to take account of the decisions by the Paris Congress to establish an *Official List of Specific Names in Zoology* (then styled the *Official List of Specific Trivial Names in Zoology*) and also *Official Indexes of Rejected and Invalid Names* (both generic and specific). The application, so revised, was received on 4th September 1950, and about a fortnight later was sent to the printer. Publication took place on 20th April 1951 in Part 3 of volume 2 of the *Bulletin of Zoological Nomenclature* (Holthuis, 1951, *Bull. zool. Nomencl.* **2** : 83—84).

5. Issue of Public Notices: Under the revised arrangements approved by the Thirteenth International Congress of Zoology, Paris, 1948 (1950, *Bull. zool. Nomencl.* **4** : 51—56), Public Notice of the possible use by the International Commission on Zoological Nomenclature of its Plenary Powers in the present case was given on 20th April 1951, both in Part 3 of volume 2 of the *Bulletin of Zoological Nomenclature*, the Part in which Dr. Holthuis' application was published, and also to the other prescribed serial publications. The publication of these Notices elicited no objection to the action proposed.

6. Support received for Dr. Holthuis' application: In addition to the letter received from Mr. Robert Gurney in 1946 (paragraph 3), letters of support for Dr. Holthuis' application were received from the following specialists :—(a) Professor Dr. Heinrich Balss (*Zoologische Staatssammlung, München a.D., Germany*) ; (b) Professor E. Sollaud (*Université de Lyon, Faculté des Sciences, Lyon, France*) ; (c) Dr. R. P. Bigelow (*Woods Hole, Massachusetts, U.S.A.*) ; (d) Dr. Isobel Gordon (*British Museum (Natural History), London*). The communications so received are given in the immediately following paragraphs.

7. Support received from Dr. Heinrich Balss (Hauptkonservator der Zoologischen Staatssammlung, München a.D., Germany): On 6th July 1951, Professor Dr. Heinrich Balss (*Hauptkonservator der Zoologischen Staatssammlung, München a.D., Germany*) wrote the following letter in support of the present and certain other

applications relating to the names of genera of the Class Crustacea (Balss, 1951, *Bull. zool. Nomencl.* 2 : 344) :—

Mr. L. B. Holthuis hat mir eine Reihe von Anträgen an die internationale Nomenklaturkommission zugesandt (Commission's references Z.N.(S.) 231 (*Crangon*), 209 (*Ligia*), 473 (*Scyllarides*), 474 (*Lysiosquilla*), 475 (*Odontodactylus*)).

Ich erlaube mir, Ihnen mitzuteilen, dass ich mit allen seinen Vorschlägen einverstanden bin.

8. *Support received from Professor E. Sollaud (Université de Lyon, Faculté des Sciences, Lyon, France):*—On 11th July 1951, Professor E. Sollaud (*Université de Lyon, Faculté des Sciences, Lyon*) wrote the following letter in support of the present and certain other applications relating to the names of genera of the Class Crustacea (Sollaud, 1951, *Bull. zool. Nomencl.* 2 : 344) :—

Je reçois de mon collègue et ami Mr. Holthuis, du Museum de Leide, cinq notes relative à des propositions faites à l'International Commission on Zoological Nomenclature au sujet d'un certain nombre de noms de genres de Crustacés (Commission's references Z.N.(S.) 231 (*Crangon*), 209 (*Ligia*), 473 (*Scyllarides*), 474 (*Lysiosquilla*), 475 (*Odontodactylus*)).

Je vous informe que, après avoir lu attentivement ces notes, j'approuve entièrement les propositions de Mr. Holthuis. J'estime qu'une application rigoureuse, en toutes circonstances, du loi de priorité conduirait à d'inextricables confusions et, bien loin de servir notre science, lui serait très préjudiciable. Il est impossible d'abandonner de noms tels que *Ligia*, *Crangon*, *Alpheus*, . . . , qui sont passés dans le langage courant, et votre Commission fera oeuvre bien utile en freinant l'ardeur des "puristes" de la Priorité.

9. *Support received from Dr. R. P. Bigelow (Woods Hole, Massachusetts, U.S.A.):* On 2nd August 1951 Dr. R. P. Bigelow (*Woods Hole, Massachusetts, U.S.A.*) wrote the following letter in support of Dr. Holthuis' application (Bigelow, 1952, *Bull. zool. Nomencl.* 6 : 220) :—

May I ask you to present to the International Commission my endorsement of the proposals of L. B. Holthuis (1951, *Bull. zool. Nomencl.* 2 : 83—84 and 86—87) that the Commission use their Plenary Powers to validate the following generic names :—

Lysiosquilla Dana, 1852

Odontodactylus Bigelow, 1893

It certainly is true that the ruthless application of the *Règles* in these cases would cause endless confusion, and it would not serve any useful purpose.

10. *Support received from Dr. Isobel Gordon (British Museum (Natural History), London)* : On 29th October 1951, Dr. Isobel Gordon (*British Museum (Natural History), London*) wrote the following letter in support of the present and certain other applications relating to the names of genera of the Class Crustacea (Gordon, 1952, *Bull. zool. Nomencl.* 6 : 183) :—

I wish to say that I am willing to add my support to all the proposals submitted to the International Commission on Zoological Nomenclature by Dr. L. B. Holthuis :

Commission's Reference	Z.N.(S.) 231 (<i>Crangon</i>)
„	„ Z.N.(S.) 209 (<i>Ligia</i>)
„	„ Z.N.(S.) 473 (<i>Scyllarides</i>)
„	„ Z.N.(S.) 474 (<i>Lysiosquilla</i>)
„	„ Z.N.(S.) 475 (<i>Odontodactylus</i>)

III.—THE DECISION OF THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

11. *Issue of Voting Paper V.P.(52)11* : On 15th April 1952, a Voting Paper (V.P.(52)11) was issued in which the Members of the Commission were invited to vote either for, or against, the proposal “relating to the name *Lysiosquilla* Dana, 1852, as specified in Points (1) to (4) on page 84 of volume 2 of the *Bulletin of Zoological Nomenclature*” [i.e. the Points specified in paragraph 5 of the application reproduced in the first paragraph of the present *Opinion*].

12. *The prescribed Voting Period* : As the foregoing Voting Paper was issued under the Three-Month Rule, the prescribed Voting Period closed on 15th July 1952,

13. *Particulars of the Voting on Voting Paper V.P.(52)11* : The state of the voting on Voting Paper V.P.(52)11 at the close of the prescribed Voting Period was as follows :—

(a) *Affirmative Votes had been given by the following seventeen (17) Commissioners (arranged in the order in which Votes were received):*

Hering ; Calman ; Riley ; Dymond ; Esaki ; Pearson ; do Amaral ; Hankó ; Bonnet ; Lemche ; Vokes ; Cabrera ; Bradley ; Boschma ; Stoll ; Mertens ; Hemming ;

(b) *Negative Votes :*

None ;

(c) *Voting Paper V.P.(52)11 was not returned by one (1) Commissioner:*

Jaczewski.

14. *Declaration of Result of Vote :* On 16th July 1952, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(52)11, signed a Certificate that the Votes cast were as set out in paragraph 13 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

15. On 5th March 1954, Mr. Hemming prepared the Ruling given in the present *Opinion* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(52)11.

16. The following are the original references for the names which appear in the Ruling given in the present *Opinion*:—

Erichthus Latreille, 1817, *Règn. anim.* (ed. 1) 3 : 43
inornata, *Lysiosquilla*, Dana, 1852, *U.S. explor. Exped.* 13 : 616
Lysiosquilla Dana, 1852, *U.S. explor. Exped.* 13 : 616

17. The following is the reference for the type selection for the genus *Lysiosquilla* Dana, 1852, specified in the Ruling given in the present *Opinion* :—Fowler, 1912, *Ann. Rep. New Jersey State Mus.* 1911 : 539.

18. At the time of the adoption of the Ruling given in the present *Opinion*, the expression prescribed for the second portion of the binomen which constitutes the scientific name of a species was the expression “trivial name” and the *Official List* reserved for recording such names was styled the *Official List of Specific Trivial Names in Zoology*, the word “trivial” appearing also in the title of the *Official Index* reserved for recording rejected and invalid names of this category. Under a decision taken by the Fourteenth International Congress on Zoology, Copenhagen, 1953, the expression “specific name” was substituted for the expression “trivial name” and corresponding changes were made in the titles of the *Official List* and *Official Index* of such names (1953, *Copenhagen Decisions zool. Nomencl.* : 21). The changes in terminology so adopted have been incorporated in the Ruling given in the present *Opinion*.

19. The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Opinion* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

20. The present *Opinion* shall be known as *Opinion* Two Hundred and Ninety-Four (294) of the International Commission on Zoological Nomenclature.

DONE in London, this Fifth day of March, Nineteen Hundred and Fifty-Four.

*Secretary to the International Commission
on Zoological Nomenclature*

FRANCIS HEMMING

